

SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008



Revision Number: 1

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Name: ContiPur Primer Base C farblos
Article number: 037160360000

1.2. Relevant identified uses of the substance or mixture and uses advised against

Product categories [PC]: PC9 - Coatings and paints, fillers, putties, thinners
Sector of uses [SU]: SU19 - Building and construction work

1.3. Details of the supplier of the safety data sheet

Supplier: conti coatings GmbH
Feldstrasse 55
D - 46149 Oberhausen
Telefon: +49 208/ 9948-0
Telefax: +49 208/ 650625
www.conticoatings.com

E-mail address sds.ob@kluthe.com

1.4. Emergency telephone number

Emergency Telephone: +49 177 / 214 4737 (24 h)

Emergency Telephone - §45 - (EC)1272/2008	
Europe	112
Austria	+43 1 406 43 43 (Giftinformationszentrale)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Chronic aquatic toxicity	Category 3 - (H412)
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2.2. Label elements

H412 - Harmful to aquatic life with long lasting effects.

EUH208 - Contains 1,2-Benzisothiazol-3(2H)-one, 3(2H)-Isothiazolone, 2-methyl-, 5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone May produce an allergic reaction.

EUH071 - Corrosive to the respiratory tract.

Precautionary Statements - EU (§28, 1272/2008):

P273 - Avoid release to the environment

P501 - Dispose of contents/ container to an approved waste disposal plant

2.3. Other hazards

Harmful to aquatic life.

SECTION 3: Composition/information on ingredients

3.1 Substances

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Not applicable

3.2 Mixtures

Chemical name	CAS No	EC No	REACH registration number	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Weight-%
Triphosphoric acid, aluminum salt (1:1)	13939-25-8	237-714-9	-	Eye Irrit. 2 (H319)	3 - < 5
Diethylene glycol monobutyl ether	112-34-5	203-961-6	01-2119475104-44	Eye Irrit. 2 (H319)	1 - < 3
Propylene glycol monomethyl ether	107-98-2	203-539-1	01-2119457435-35	Flam. Liq. 3 (H226) STOT SE 3 (H336)	1 - < 3
Zinc pyrithione	13463-41-7	236-671-3	01-2119511196-46	Acute Tox. 3 (H301) Eye Dam. 1 (H318) Acute Tox. 3 (H331) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	0.01 - < 0.05
2-Butoxyethanol	111-76-2	203-905-0	01-2119475108-36	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Acute Tox. 4 (H332)	0.005 - < 0.01

Chemical name	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)	Notes
Zinc pyrithione 13463-41-7		100	10	

Acute Toxicity Estimate:

No information available.

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapor - mg/L	Inhalation LC50 - 4 hour - gas - ppm
Diethylene glycol monobutyl ether 112-34-5	2410	2764	No data available	No data available	No data available
Propylene glycol monomethyl ether 107-98-2	4016	13000	No data available	36.7	No data available
Zinc pyrithione 13463-41-7	177	100	0.0501	3	No data available
2-Butoxyethanol 111-76-2	1300	2001	1.5	11	No data available

Full text of H- and EUH-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

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Inhalation:	Remove to fresh air.
Eye contact:	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin contact:	Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.
Ingestion:	Rinse mouth.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms: No information available.

4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians: Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Large Fire: CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing media: Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical: No information available.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters: Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Ensure adequate ventilation.

For emergency responders: Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions: See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

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Methods for containment: Prevent further leakage or spillage if safe to do so.
Methods for cleaning up: Take up mechanically, placing in appropriate containers for disposal.
Prevention of secondary hazards: Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections: See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling



Advice on safe handling: Ensure adequate ventilation.
General hygiene considerations: Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions: Keep container tightly closed in a dry and well-ventilated place.

7.3. Specific end use(s)

Other information: No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits:

Chemical name	European Union	Germany	Netherlands	Spain	United Kingdom	Hungary
Diethylene glycol monobutyl ether 112-34-5	TWA: 10 ppm TWA: 67.5 mg/m ³	TWA: 10 ppm TWA: 67 mg/m ³	TWA: 50 mg/m ³ STEL: 100 mg/m ³ H*	TWA: 10 ppm TWA: 67.5 mg/m ³ STEL: 15 ppm STEL: 101.2 mg/m ³	TWA: 10 ppm TWA: 67.5 mg/m ³ STEL: 15 ppm STEL: 101.2 mg/m ³	TWA: 67.5 mg/m ³ STEL: 101.2 mg/m ³
Propylene glycol monomethyl ether 107-98-2	TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 568 mg/m ³ *	TWA: 100 ppm TWA: 370 mg/m ³	TWA: 375 mg/m ³ STEL: 563 mg/m ³ H*	TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 568 mg/m ³ via dérmica*	TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 560 mg/m ³ Sk*	TWA: 375 mg/m ³ STEL: 568 mg/m ³ b*
2-Butoxyethanol 111-76-2	TWA: 20 ppm TWA: 98 mg/m ³ STEL: 50 ppm STEL: 246 mg/m ³ *	TWA: 10 ppm TWA: 49 mg/m ³ H*	TWA: 100 mg/m ³ STEL: 246 mg/m ³ H*	TWA: 20 ppm TWA: 98 mg/m ³ STEL: 50 ppm STEL: 245 mg/m ³ via dérmica*	TWA: 25 ppm TWA: 123 mg/m ³ STEL: 50 ppm STEL: 246 mg/m ³ Sk*	TWA: 98 mg/m ³ STEL: 246 mg/m ³ b*

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Chemical name	France	Italy	Portugal	Finland	Denmark	Czech Republic
Diethylene glycol monobutyl ether 112-34-5	TWA: 10 ppm TWA: 68 mg/m ³ STEL: 15 ppm STEL: 101.2 mg/m ³	TWA: 10 ppm TWA: 67.5 mg/m ³ STEL: 15 ppm STEL: 101.2 mg/m ³	TWA: 10 ppm TWA: 67.5 mg/m ³ STEL: 15 ppm STEL: 101.2 mg/m ³	TWA: 10 ppm TWA: 68 mg/m ³	TWA: 10 ppm TWA: 68 mg/m ³	TWA: 100 mg/m ³ Ceiling: 100 mg/m ³
Propylene glycol monomethyl ether 107-98-2	TWA: 50 ppm TWA: 188 mg/m ³ STEL: 100 ppm STEL: 375 mg/m ³ *	TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 568 mg/m ³ pelle*	TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 568 mg/m ³	TWA: 100 ppm TWA: 370 mg/m ³ STEL: 150 ppm STEL: 560 mg/m ³ iho*	TWA: 50 ppm TWA: 185 mg/m ³ H*	TWA: 270 mg/m ³ Ceiling: 550 mg/m ³ D*
2-Butoxyethanol 111-76-2	TWA: 10 ppm TWA: 49 mg/m ³ STEL: 50 ppm STEL: 246 mg/m ³ *	TWA: 20 ppm TWA: 98 mg/m ³ STEL: 50 ppm STEL: 246 mg/m ³ pelle*	TWA: 20 ppm TWA: 98 mg/m ³ STEL: 50 ppm STEL: 246 mg/m ³ P*	TWA: 20 ppm TWA: 98 mg/m ³ STEL: 50 ppm STEL: 250 mg/m ³ iho*	TWA: 20 ppm TWA: 98 mg/m ³ H*	TWA: 100 mg/m ³ Ceiling: 200 mg/m ³ D*

Chemical name	Austria	Switzerland	Poland	Norway	Ireland	Russia
Diethylene glycol monobutyl ether 112-34-5	TWA: 10 ppm TWA: 67.5 mg/m ³ STEL 15 ppm STEL 101.2 mg/m ³	TWA: 10 ppm TWA: 67 mg/m ³ STEL: 15 ppm STEL: 101 mg/m ³	STEL: 100 mg/m ³ TWA: 67 mg/m ³	TWA: 10 ppm TWA: 68 mg/m ³ STEL: 15 ppm STEL: 102 mg/m ³	TWA: 10 ppm TWA: 67.5 mg/m ³ STEL: 15 ppm STEL: 101.2 mg/m ³	MAC: 10 mg/m ³
Propylene glycol monomethyl ether 107-98-2	TWA: 50 ppm TWA: 187 mg/m ³ STEL 50 ppm STEL 187 mg/m ³ Ceiling 50 ppm Ceiling 187 mg/m ³ H*	TWA: 100 ppm TWA: 360 mg/m ³ STEL: 200 ppm STEL: 720 mg/m ³	STEL: 360 mg/m ³ TWA: 180 mg/m ³	TWA: 50 ppm TWA: 180 mg/m ³ STEL: 75 ppm STEL: 225 mg/m ³ H*	TWA: 100 ppm TWA: 375 mg/m ³ STEL: 150 ppm STEL: 568 mg/m ³	
2-Butoxyethanol 111-76-2	TWA: 20 ppm TWA: 98 mg/m ³ STEL 40 ppm STEL 200 mg/m ³ H*	TWA: 10 ppm TWA: 49 mg/m ³ STEL: 20 ppm STEL: 98 mg/m ³ H*	STEL: 200 mg/m ³ TWA: 98 mg/m ³	TWA: 10 ppm TWA: 50 mg/m ³ STEL: 15 ppm STEL: 75 mg/m ³ H*	TWA: 20 ppm TWA: 98 mg/m ³ STEL: 50 ppm STEL: 246 mg/m ³ SK*	MAC: 5 mg/m ³

Biological occupational exposure limits:

Chemical name	European Union	Germany	Netherlands	Spain	United Kingdom	Hungary
Propylene glycol monomethyl ether 107-98-2	-	15 mg/L - urine (1-Methoxypropan-2-ol) - end of shift			-	
2-Butoxyethanol 111-76-2	-	150 mg/g Creatinine - urine (Butoxyacetic acid (after hydrolysis)) - for long-term exposures: at the end of the shift after several shifts 150 mg/g Creatinine - urine (Butoxyacetic acid (after hydrolysis)) - end of shift		200 mg/g Creatinine - urine (Butoxyacetic acid (with hydrolysis)) - end of shift	240 mmol/mol creatinine - urine (Butoxyacetic acid) - post shift	

Chemical name	Austria	Switzerland	Poland	Norway	Ireland	Russia
Propylene glycol	-	20 mg/L - urine	-	-	-	

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Chemical name	Austria	Switzerland	Poland	Norway	Ireland	Russia
monomethyl ether 107-98-2		(1-Methoxypropanol-2) - end of shift				
2-Butoxyethanol 111-76-2	-	150 mg/g creatinine - urine (2-Butoxyacetic acid (after hydrolysis)) - end of shift, and after several shifts (for long-term exposures)	-	-	200 mg/g Creatinine - urine () - end of shift	

Derived No Effect Level (DNEL):

Chemical name	short term, local	short term, systemic	long term, local	long term, systemic
Diethylene glycol monobutyl ether	101.2 mg/m ³		67.5 mg/m ³	67.5 mg/m ³
Propylene glycol monomethyl ether	553.5 mg/m ³	553.5 mg/m ³		369 mg/m ³
2-Butoxyethanol	246 mg/m ³	1091 mg/m ³		98 mg/m ³

Chemical name	short term, local	short term, systemic	long term, local	long term, systemic
Diethylene glycol monobutyl ether				83 mg/kg bw/day
Propylene glycol monomethyl ether				183 mg/kg bw/day
Zinc pyrithione				0.01 mg/kg bw/day
2-Butoxyethanol		89 mg/kg bw/day		125 mg/kg bw/day

Chemical name	short term, local	short term, systemic	long term, local	long term, systemic
Diethylene glycol monobutyl ether	60.7 mg/m ³		40.5 mg/m ³	40.5 mg/m ³
Propylene glycol monomethyl ether				43.9 mg/m ³
2-Butoxyethanol	147 mg/m ³	426 mg/m ³		59 mg/m ³

Chemical name	short term, local	short term, systemic	long term, local	long term, systemic
Diethylene glycol monobutyl ether				50 mg/kg bw/day
Propylene glycol monomethyl ether				78 mg/kg bw/day
2-Butoxyethanol		89 mg/kg bw/day		75 mg/kg bw/day

Chemical name	short term, local	short term, systemic	long term, local	long term, systemic
Diethylene glycol monobutyl ether				5 mg/kg bw/day
Propylene glycol monomethyl ether				33 mg/kg bw/day
2-Butoxyethanol		26.7 mg/kg bw/day		6.3 mg/kg bw/day

Predicted No Effect Concentration (PNEC):

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Chemical name	Diethylene glycol monobutyl ether
Freshwater	1.1 mg/L
Marine water	0.11 mg/L
Intermittent release	3.9 mg/L
Impact on Sewage Treatment	200 mg/L
Freshwater sediment	4.4 mg/kg
Marine sediment	0.44 mg/kg
Soil	0.32 mg/kg
Food chain	56 mg/kg

Chemical name	Propylene glycol monomethyl ether
Freshwater	10 mg/L
Marine water	1 mg/L
Intermittent release	100 mg/L
Impact on Sewage Treatment	100 mg/L
Freshwater sediment	52.3 mg/kg dry weight
Marine sediment	5.2 mg/kg dry weight
Soil	4.59 mg/kg

Chemical name	Zinc pyrithione
Freshwater	0.09 µg/L
Marine water	0.09 µg/L
Freshwater sediment	0.095 mg/kg dry weight
Marine sediment	0.095 mg/kg dry weight
Soil	1.02 mg/kg dry weight

Chemical name	2-Butoxyethanol
Freshwater	8.8 mg/L
Marine water	0.88 mg/L
Intermittent release	0.0246 mg/L
Impact on Sewage Treatment	0.463 mg/L
Freshwater sediment	34.6 mg/kg dry weight
Marine sediment	3.46 mg/kg dry weight
Soil	2.33 mg/kg dry weight
Food chain	20 mg/kg

8.2. Exposure controls

Engineering controls: None under normal use conditions.

Personal protective equipment:



Eye/face protection: No special protective equipment required.

PPE - Glove material	Glove thickness	Break through time
NBR (Nitrile rubber)	0.4 mm	>=480 min.

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Skin and body protection:	No special protective equipment required.
Respiratory protection:	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
Recommended Filter Type:	Filtering device (full mask or mouthpiec AP-2
Environmental exposure controls:	No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	dispersion					
Color	beige					
Odor	characteristic					
Melting point / melting range				Conditions	Method	Remarks
Boiling point / boiling range	>	107	°C			Not established
Flammability						Not established
Decomposition temperature						not relevant
Flash point						None known
Autoignition temperature						None known
Lower explosive limit						not relevant
Upper explosion limit						not relevant
Vapor pressure						Not established
Density	~	1.000	g/cm ³	20 °C		
Water solubility						Miscible
pH		8 - 9		20 °C		Not applicable
pH (as aqueous solution)						Not established
Partition coefficient						Not established
Kinematic viscosity						None known
Odor threshold						Not established
Relative density						Not established
Evaporation rate						Not established

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Relative vapor density no data available
Particle Size no data available
Particle Size Distribution no data available

9.2. Other information

Bulk density: no data available
Softening point No information available
Molecular weight No information available

9.2.1. Information with regard to physical hazard classes:

Explosive properties No data available
Oxidizing properties Not oxidising.

9.2.2. Other safety characteristics: No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity: No information available.

10.2. Chemical stability

Stability: Stable under normal conditions.

Explosion data:

Sensitivity to mechanical impact: None.
Sensitivity to static discharge: None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions: None under normal processing.

10.4. Conditions to avoid

Conditions to avoid: None known based on information supplied.

10.5. Incompatible materials

Incompatible materials: None known based on information supplied.

10.6. Hazardous decomposition products

Hazardous decomposition products: None known based on information supplied.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on likely routes of exposure:

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Product Information: The product has not been tested

Inhalation: Specific test data for the substance or mixture is not available.

Eye contact: Specific test data for the substance or mixture is not available.

Skin contact: Specific test data for the substance or mixture is not available.

Ingestion: Specific test data for the substance or mixture is not available.

Symptoms related to the physical, chemical and toxicological characteristics:

Symptoms: No information available.

Numerical measures of toxicity:

Acute toxicity: The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 87,000.50 mg/kg
ATEmix (inhalation-vapor) 3,670.000 mg/l

Component Information:

Chemical name	Parameter	Species	effektive Dosis	Method
Diethylene glycol monobutyl ether 112-34-5	Oral LD50	Mouse	2410 mg/kg	OECD 401
Propylene glycol monomethyl ether 107-98-2	Oral LD50	Rat	4016 mg/kg	
Zinc pyrithione 13463-41-7	Oral LD50	Rat	177 mg/kg	
2-Butoxyethanol 111-76-2	Oral LD50	Rat	1300 mg/kg	OECD 401

Chemical name	Parameters	Species	Effective dose	Method
Diethylene glycol monobutyl ether 112-34-5	Dermal LD50	Rabbit	2764 mg/kg	OECD 402
Propylene glycol monomethyl ether 107-98-2	Dermal LD50	Rabbit	> 2000 mg/kg	
Zinc pyrithione 13463-41-7	Dermal LD50	Rabbit	100 mg/kg	
2-Butoxyethanol 111-76-2	Dermal LD50	Guinea pig	> 2000 mg/kg	OECD 402

Chemical name	Parameters	Species	Effective dose	Exposure time	Method
Propylene glycol monomethyl ether 107-98-2	Inhalation LC50	Rat	36.7 mg/L	4 h	OECD 403
Zinc pyrithione 13463-41-7	Inhalation LC50	Rat	0.05 - 0.5 mg/L 140 mg/m ³	4 h	
2-Butoxyethanol 111-76-2	Inhalation LC0	Guinea pig	> 3.1 mg/L	1 h	OECD 403

Delayed and immediate effects as well as chronic effects from short and long-term exposure:

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Skin corrosion/irritation:	No information available.
Serious eye damage/eye irritation:	No information available.
Respiratory or skin sensitization:	No information available.
Germ cell mutagenicity:	No information available.
Carcinogenicity:	No information available.
Reproductive toxicity:	No information available.
STOT - single exposure:	No information available.
STOT - repeated exposure: Aspiration hazard:	No information available. No information available.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

No information available.

11.2.2. Other information

No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity: Harmful to aquatic life with long lasting effects.

fish toxicity:

Chemical name	Parameter	Species	Effective dose	Exposure time	Method
Diethylene glycol monobutyl ether 112-34-5	LC50	Lepomis macrochirus	1300 mg/L	96 h	OECD 203
Propylene glycol monomethyl ether 107-98-2	LC50	Leuciscus idus	4600 - 10000 mg/L	96 h	DIN 38412
2-Butoxyethanol 111-76-2	LC50	Lepomis macrochirus	1490 mg/L	96 h	OECD 203

toxicity to crustacea:

Chemical name	Parameter	Species	Effective dose	Exposure time	Method
Diethylene glycol monobutyl ether 112-34-5	EC50	Daphnia magna	2850 mg/L	48 h	
Propylene glycol monomethyl ether 107-98-2	EC50	Daphnia magna	23300 mg/L	48 h	
2-Butoxyethanol	EC50	Daphnia magna	1550 mg/L	48 h	OECD 202

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Chemical name	Parameter	Species	Effective dose	Exposure time	Method
111-76-2					

Algae Toxicity:

Chemical name	Parameter	Species	Effective dose	Exposure time	Method
Diethylene glycol monobutyl ether 112-34-5	EC50	Desmodesmus subspicatus	> 100 mg/L	96 h	OECD 201
Propylene glycol monomethyl ether 107-98-2	EC50	Pseudokirchneriella subcapitata	> 1000 mg/L	7 d	OECD 201
2-Butoxyethanol 111-76-2	EC50	Pseudokirchneriella subcapitata	> 900 mg/L	72 h	OECD 201

Bacteria toxicity:

Chemical name	Parameters	Species	Effective dose	Exposure time	Method
Propylene glycol monomethyl ether 107-98-2	EC50	activated sludge	> 1000 mg/L	3 h	
2-Butoxyethanol 111-76-2	EC0	pseudomonas putida	> 700 mg/L	16 h	DIN 38412 part 8

12.2. Persistence and degradability

Persistence and degradability:

Chemical name	degradation rate	test duration	Rapidly biodegradable	Remarks	Method
Diethylene glycol monobutyl ether 112-34-5	89-93 %	28 d	Yes	Aerobic biological treatment	
Propylene glycol monomethyl ether 107-98-2	96 %	28 d	Yes	Aerobic biological treatment	
Zinc pyrithione 13463-41-7	100 %		Yes		
2-Butoxyethanol 111-76-2	90.4 %	28 d	Yes	Aerobic biological treatment	DIN 301 B

12.3. Bioaccumulative potential

Bioaccumulation:

Chemical name	Partition coefficient	Bioconcentration factor (BCF)
Diethylene glycol monobutyl ether 112-34-5		99.9
Propylene glycol monomethyl ether 107-98-2	0.37	<2
Zinc pyrithione 13463-41-7	1.12	1.4

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2-Butoxyethanol 111-76-2	0.81	3.2
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12.4. Mobility in soil

Mobility in soil: No information available.

Mobility: No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment:

Chemical name	PBT and vPvB assessment
Triphosphoric acid, aluminum salt (1:1) 13939-25-8	The substance is not PBT / vPvB PBT assessment does not apply
Diethylene glycol monobutyl ether 112-34-5	The substance is not PBT / vPvB PBT assessment does not apply
Propylene glycol monomethyl ether 107-98-2	The substance is not PBT / vPvB
Zinc pyrithione 13463-41-7	The substance is not PBT / vPvB
2-Butoxyethanol 111-76-2	The substance is not PBT / vPvB

12.6. Endocrine disrupting properties.

No information available.

12.7. Other adverse effects.

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products: Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging: Do not reuse empty containers.

Waste codes / waste designations according to EWC / AVV: 08 01 12 (waste paint and varnish other than those mentioned in 08 01 11)

SECTION 14: Transport information

14.1. UN number

ADR: Not regulated
RID: Not regulated
IMDG: Not regulated
IATA: Not regulated

14.2 UN proper shipping name

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ADR: Not regulated
RID: Not regulated
IMDG: Not regulated
IATA: Not regulated

14.3. Transport hazard class(es)

ADR: Not regulated
RID: Not regulated
IMDG: Not regulated
IATA: Not regulated

14.4. Packing group

ADR: Not regulated
RID: Not regulated
IMDG: Not regulated
IATA: Not regulated

14.5. Environmental hazards

ADR: Not applicable
RID: Not applicable
IMDG: Not applicable
IATA: Not applicable

14.6. Special precautions for user

ADR: Not regulated
RID: Not regulated
IMDG: Not regulated
IATA: Not regulated

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

No information available

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

European Union:

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Authorizations and/or restrictions on use:

- This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Chemical name	Substance subject to authorization per REACH Annex XIV	Restricted substance per REACH Annex XVII
Diethylene glycol monobutyl ether 112-34-5		55. 75.

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Zinc pyrithione 13463-41-7		75.
2-Butoxyethanol 111-76-2		75.

Persistent Organic Pollutants: Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009: Not applicable

volatile organic compounds (VOC) content: Not applicable

acc. reg. 2010/75/EG: 3.2 %

acc. reg. 2004/42/EG (Decopaint): 10 g/L

National regulations:

Chemical name	Denmark - MAL
Diethylene glycol monobutyl ether 112-34-5	0 m3/10 g substance MAL factor >=10.0 % by weight [3]
Zinc pyrithione 13463-41-7	0 m3/10 g substance MAL factor >=1 % by weight [3]
2-Butoxyethanol 111-76-2	25 m3/10 g substance MAL factor >=10.0 % by weight [3]

Germany: _____

Water hazard class (WGK): obviously hazardous to water (WGK 2) - Classification according to AwSV

Chemical name	WGK Classification (AwSV)	ID number
Triphosphoric acid, aluminum salt (1:1) 13939-25-8	1	9315
Diethylene glycol monobutyl ether 112-34-5	1	46
Propylene glycol monomethyl ether 107-98-2	1	1597
Zinc pyrithione 13463-41-7	3	7636
2-Butoxyethanol 111-76-2	1	47

total dust incl. fine dust (digit 5.2.1): 30 - 35%

inorg. subst. dust (digit 5.2.2) class III: < 5%

org. substances (Ziffer 5.2.5): < 5%

org. subst. dust (digit 5.2.5): < 5%

org. subst. (digit 5.2.5) class I: < 5%

Storage class (TRGS 510): 12 • LGK12 - Non-combustible liquids

France: _____

Occupational Illnesses (R-463-3, France):

Chemical name	French RG number
Diethylene glycol monobutyl ether 112-34-5	RG 84
Propylene glycol monomethyl ether	RG 84

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Chemical name	French RG number
107-98-2	
2-Butoxyethanol 111-76-2	RG 84

Netherlands: _____

Austria: _____

Flammable Liquids Regulations, VbF: Not regulated

acc. VOCV CH 814.018, att. 1: 3.2 %

International Inventories:

TSCA	Does not comply
DSL/NDSL	Does not comply
EINECS/ELINCS	Does not comply
ENCS	Does not comply
IECSC	Does not comply
KECL	Does not comply
PICCS	Does not comply
AICS	Does not comply

Legend:

- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS** - Japan Existing and New Chemical Substances
- IECSC** - China Inventory of Existing Chemical Substances
- KECL** - Korean Existing and Evaluated Chemical Substances
- PICCS** - Philippines Inventory of Chemicals and Chemical Substances
- AICS** - Australian Inventory of Chemical Substances

15.2. Chemical safety assessment

Chemical Safety Report: No information available

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet:

Full text of H-Statements referred to under section 3:

- EUH071 - Corrosive to the respiratory tract
- H226 - Flammable liquid and vapor
- H301 - Toxic if swallowed
- H302 - Harmful if swallowed
- H310 - Fatal in contact with skin
- H311 - Toxic in contact with skin
- H312 - Harmful in contact with skin
- H314 - Causes severe skin burns and eye damage
- H315 - Causes skin irritation
- H317 - May cause an allergic skin reaction

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H318 - Causes serious eye damage
H319 - Causes serious eye irritation
H330 - Fatal if inhaled
H331 - Toxic if inhaled
H332 - Harmful if inhaled
H336 - May cause drowsiness or dizziness
H400 - Very toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects
H411 - Toxic to aquatic life with long lasting effects

Legend:

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)
ADR: European agreement concerning the international carriage of dangerous goods by road
(Accord européen relatif transport des marchandises dangereuses par route)
AGW: Occupational threshold limit value (Arbeitsplatzgrenzwert – Germany)
BCF: Bio-Concentration Factor
BOD(5): Biochemical oxygen demand (within 5 days)
CAS: Chemical Abstract Service
CLP: Classification, Labelling and Packaging
CMR: Carcinogenic, Mutagenic, toxic for Reproduction
DIN: German Standards Institute / German industrial norm
DNEL: Derived No Effect Level
DOC: Dissolved organic carbon
EAK/ AVV: European waste catalogue/ waste directory-regulation
EC50: Effective Concentration 50%
ECHA: European Chemical Agency
EINECS: European Inventory of Existing Commercial Chemical Substances
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals
IATA: International Air Transport Association
IC50: Inhibition Concentration 50%
IMDG: International Maritime Dangerous Goods Code
LC50: Lethal Concentration 50% - LD50: Lethal dose 50%
MAK: Treshold limit values Germany
NLP: No Longer Polymers
NOAEC: No Observed Adverse Effect Concentration
NOAEL: No Observed Adverse Effect Level
OECD: Organization for Economic Cooperation and Development
PBT: persistent, bioaccumulative, toxic
PC: Product category
PNEC: Predicted No Effect Concentration
REACH: Registration, Evaluation and Authorization of Chemicals
RID: Regulations concerning the international carriage of dangerous goods by rail
(Règlement International concernant le transport de marchandises dangereuses par chemin de fer)
STEL: Short-term Exposure Limit
STP: Sewage treatment plant
SVHC: Substance of Very High Concern
TLV: Threshold Limit Value
TWA: Time Weighted Average
UN: United Nations
VOC: Volatile Organic Compounds
vPvB: very persistent, very bioaccumulative

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Ceiling: Maximum limit value
* Skin designation

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Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapor	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitization	Calculation method
Skin sensitization	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

Key literature references and sources for data used to compile the SDS:

European Chemicals Agency (ECHA)

Agency for Toxic Substances and Disease Registry (ATSDR)

U.S. Environmental Protection Agency ChemView Database

European Food Safety Authority (EFSA)

EPA (Environmental Protection Agency)

Acute Exposure Guideline Level(s) (AEGl(s))

U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act

U.S. Environmental Protection Agency High Production Volume Chemicals

Food Research Journal

Hazardous Substance Database

International Uniform Chemical Information Database (IUCLID)

Japan GHS Classification

Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

NIOSH (National Institute for Occupational Safety and Health)

National Library of Medicine's ChemID Plus (NLM CIP)

National Library of Medicine's PubMed database (NLM PUBMED)

National Toxicology Program (NTP)

New Zealand's Chemical Classification and Information Database (CCID)

Organization for Economic Co-operation and Development Environment, Health, and Safety Publications

Organization for Economic Co-operation and Development High Production Volume Chemicals Program

Organization for Economic Co-operation and Development Screening Information Data Set

RTECS (Registry of Toxic Effects of Chemical Substances)

World Health Organization

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This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006:

Disclaimer:

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End of Safety Data Sheet